

**SUSPENSION DESIGN FOR ATTENUATION OF DISK FLUTTER INDUCED
TRACK MIS-REGISTRATION OF A HARD DISK DRIVE BY MANIPULATION OF
THE HINGE AND/OR LOAD BEAM**

ABSTRACT OF THE DISCLOSURE

Disk drives including suspensions and head gimbal assemblies in which the load beam pitch angle is reduced exhibit a reduced disk flutter induced track mis-registration (TMR) at the disk outer diameter. The reduction in the load beam pitch angle may be achieved through variations in the load beam, hinge and/or mount plate configurations, relative positions and/or thickness.

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